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-4. (Amended) Method according to claim 1 characterized in that the direction in which said adjustement is performed depends on the relative difference between said target value calculated by weighted interpolation (P_e) and said minimum and maximum value (I_{\min}, I_{\max}).--

Amend claim 5 as follows:

-5. (Amended) Method according to claim 1 characterized in that use is made of weighted interpolation on the basis of a non-linear density distribution which assigns a heavier weighting to source values located closer in the grid than to source values located further away, in particular a Gaussian distribution, at least an exponential density distribution.--

Amend claim 6 as follows:

-6. (Amended) Method according to claim 1 characterized in that a source value which lies in the grid closest to the target value to be determined, is taken as source of a region extending over a finite number of mutually adjacent source values and that the local maximum and the local minimum are determined in this region.--

Amend claim 10 as follows:

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-10. (Amended) Method according to claim 1 characterized in that the final target value is a weighted average of the target value determined on the basis of interpolation and the local maximum and minimum, wherein a weighting factor is employed which depends on average local